University of Groningen

DTI in Context

Svetachov, Pjotr; Everts, Maarten H.; Isenberg, Tobias

Link to publication in University of Groningen/UMCG research database

DTI in Context: Illustrating Brain Fiber Tracts In Situ
Extra material

Pjotr Svetachov, Maarten H. Everts, and Tobias Isenberg

University of Groningen, The Netherlands

Abstract
This document provides some images from the paper shown larger, to make it easier to view them on-screen as well as notice details when printed. It is provided in both a regular and an anaglyphic 3D version. For viewing the latter, red-green or red-cyan glasses are required, using the red filter for the left eye.
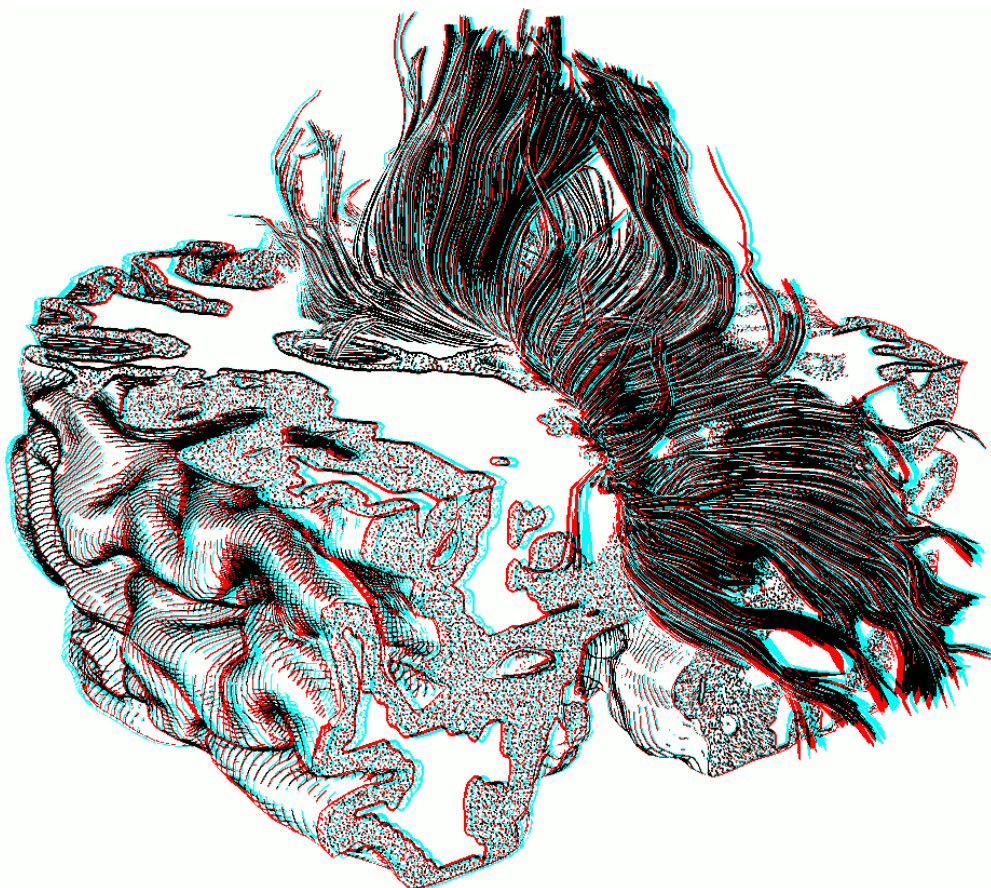
Figure 1: *DTI fiber tracts shown with the lower part of the brain, using two cutting planes and a slight halo around the fiber tracts.*
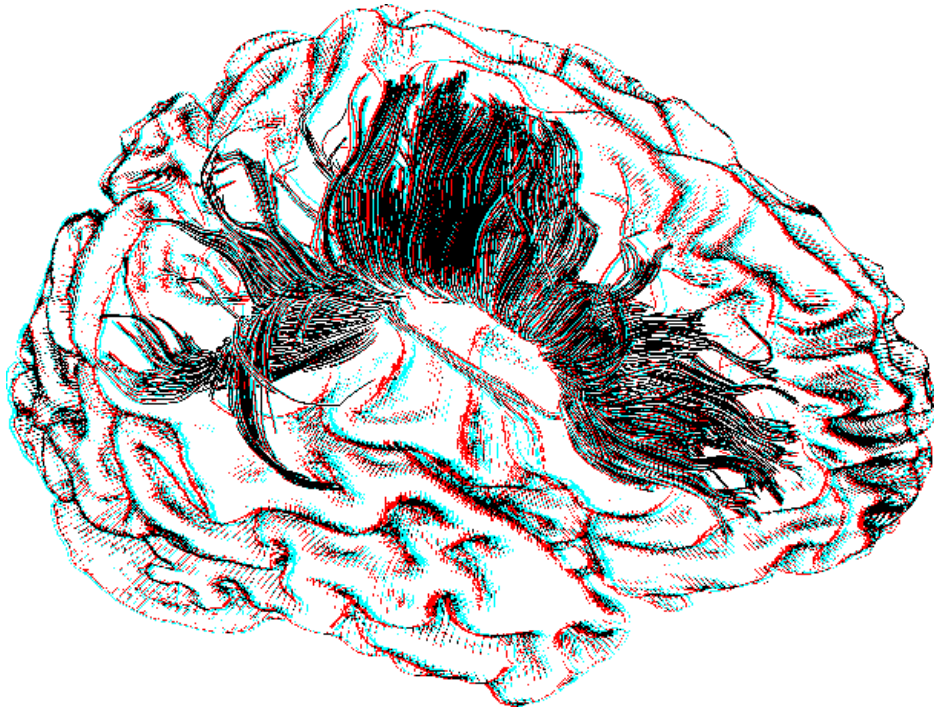
Figure 2: *Composited illustration with halo to allow users to see the fiber tracts located inside the shown surface of the brain. This effect is visible best in animations or in 3D images such as anaglyphs.*
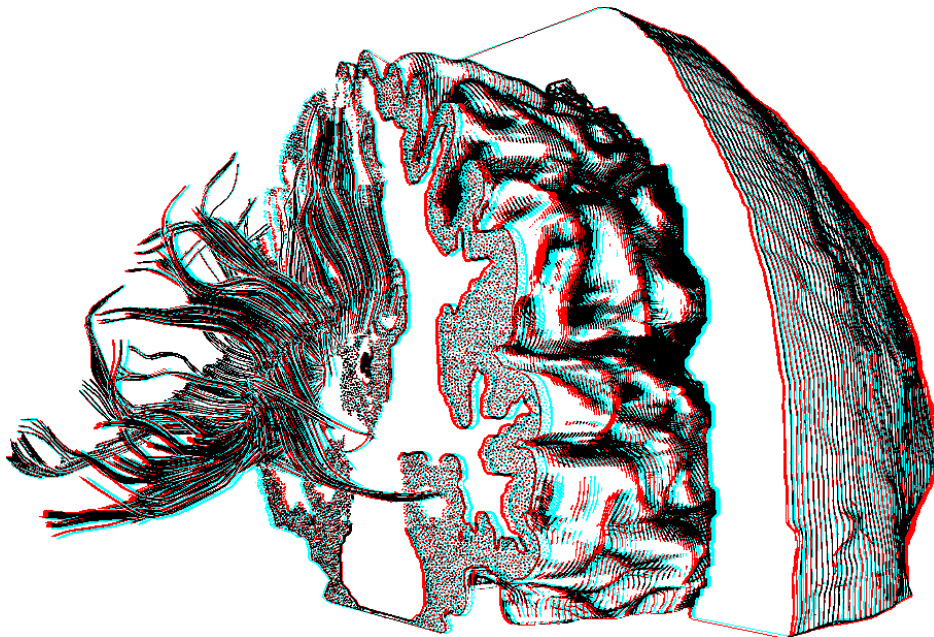

Figure 3: *Two-stages of cutting planes are used to show context both from the skull and from the brain. Skull and brain use separate stylizations for the hatching.*
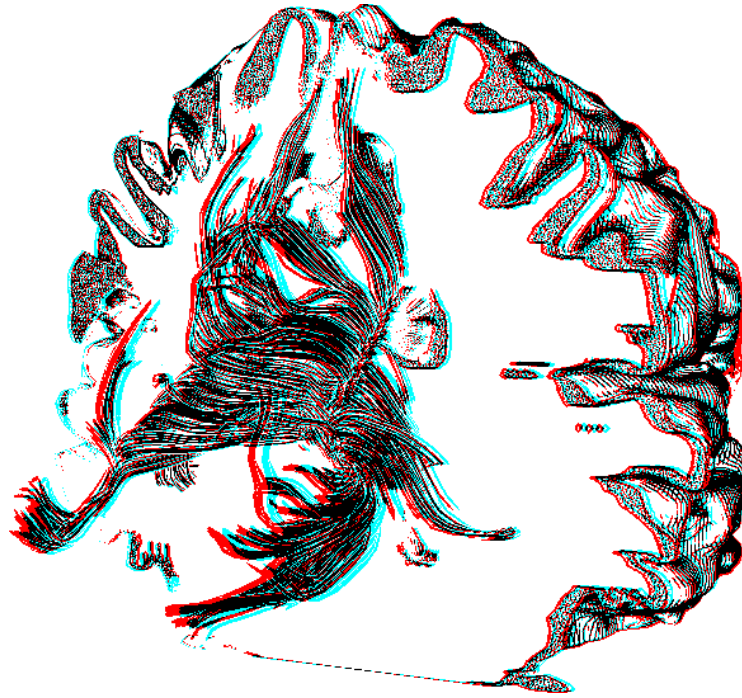
Figure 4: *The brain is illustrated with hatching perpendicular to the cutting plane (and some cross-hatching).*
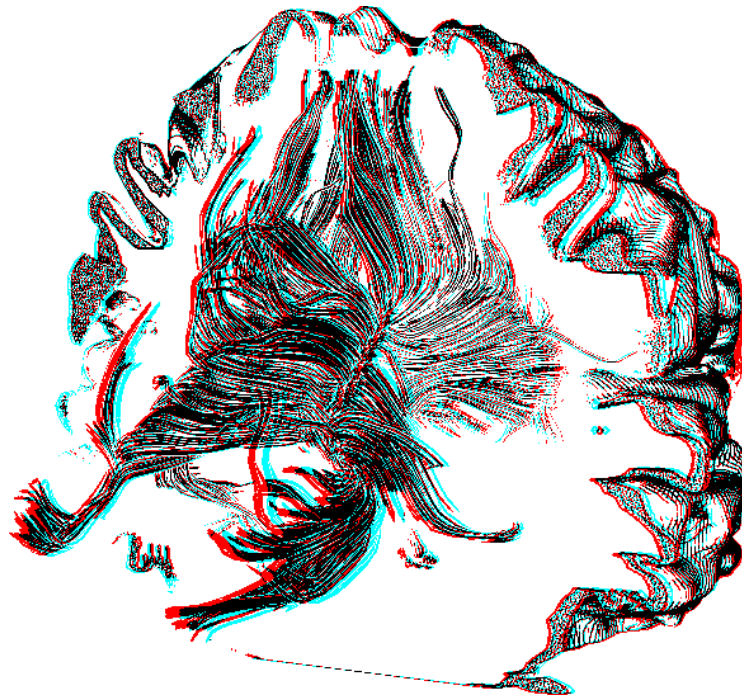

Figure 5: *Same as Fig. 4 but with fiber tract opacity enabled.*

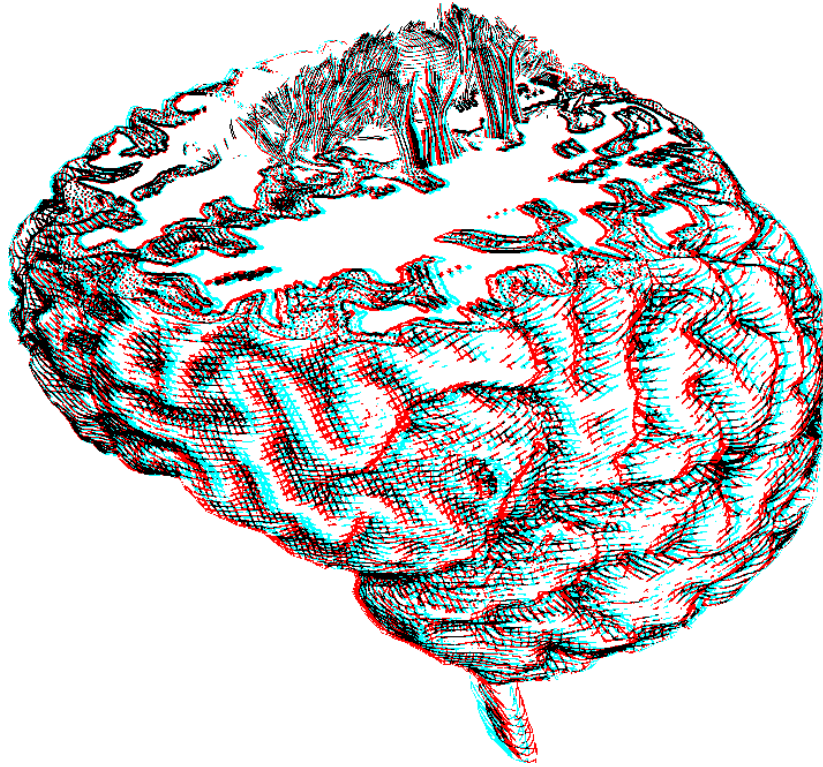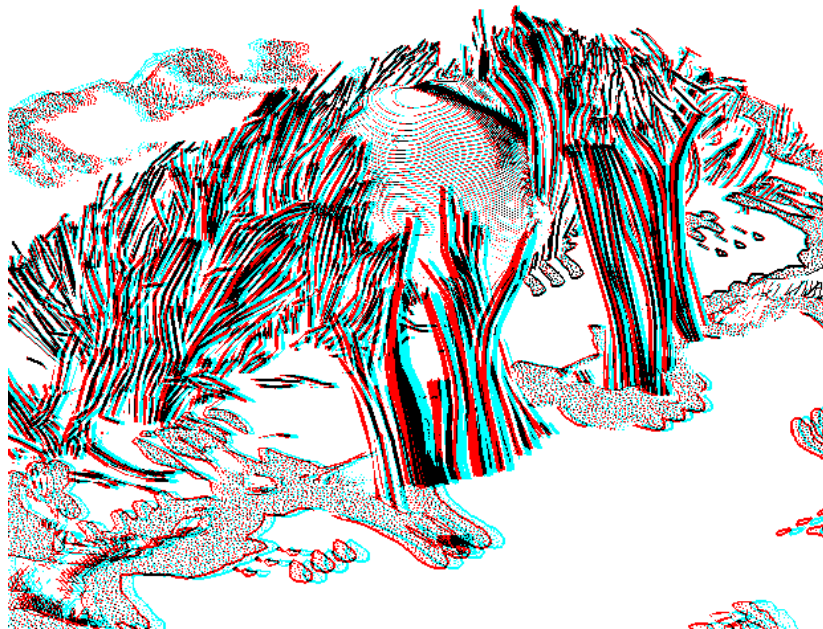**Figure 6:** *Fiber tracts wrap around a tumor at the top.*

Figure 7: *A close-up of Fig. 6.*